e of Work: **Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 08**

Detailed Measurements

Measurement Recorded On: 26/8/20 — 25/8/20

	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	KSRRB M200-12.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications By Manual Means B Cement Concrete Grade M-15 & M-20.						
	Kogilu Layout						
	Masid Main Road						
	Ch:0.00m to 15.00m	1	15.00	(4.80 + 4.90)/2	0.20	14.55	
	Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2	0.20	15.60	
	Ch:30.00m to 45.00m	1	15.00	(5.50 + 6.00)/2	0.20	17.25	
	Ch:45.00m to 60.00m	1	15.00	(6.00 + 5.40)/2	0.20	17.10	
	Ch:60.00m to 63.20m	1	3.20	(5.40 + 5.40)/2	0.20	3.46	
	Opp to Masid Main Road(Left Side)						
	Ch:0.00m to 15.00m	1	15.00	(4.50 + 4.90)/2	0.20	14.10	
	Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2	0.20	15.60	
	Ch:30.00m to 45.00m	1	15.00	(5.50 + 5.40)/2	0.20	16.35	
	Ch:45.00m to 60.00m	1	15.00	(5.40 + 5.40)/2	0.20	16.20	
	Ch:60.00m to 75.00m	1	15.00	(5.40 + 5.10)/2	0.20	15.75	
	Ch:75.00m to 83.80m	1	8.80	(5.10 + 5.10)/2	0.20	8.98	
	5th Cross Rd(Left Side)						
	Ch:0.00m to 15.00m	1	15.00	(6.90 + 6.80)/2	0.20	20.55	
	Ch:15.00m to 30.00m	1	15.00	(6.80 + 6.60)/2	0.20	20.10	
	Ch:30.00m to 45.00m	1	15.00	(6.60 + 6.00)/2	0.20	18.90	

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25/8/20
Asst. Engineer

25/8/2020
Asst. Exec. Engineer,

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n	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:45.00m to 60.00m	1	15.00	(6.00 + 6.10) / 2	0.20	18.15	
	Ch:60.00m to 75.00m	1	15.00	(6.10 + 6.00) / 2	0.20	18.15	
	Ch:75.00m to 89.60m	1	14.60	(6.00 + 6.20) / 2	0.20	17.81	
	Cross Rd-3						
	Ch:0.00m to 15.00m	1	15.00	(4.40 + 4.40) / 2	0.20	13.20	
	Ch:15.00m to 24.50m	1	9.50	(4.40 + 4.40) / 2	0.20	8.36	
	Kogilu Layout						
	5th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(3.60 + 3.10) / 2	0.20	10.05	
	Ch:15.00m to 30.00m	1	15.00	(3.10 + 3.10) / 2	0.20	9.30	
	Ch:30.00m to 33.00m	1	3.00	(3.10 + 3.10) / 2	0.20	1.86	
	4th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(3.80 + 3.80) / 2	0.20	11.40	
	Ch:15.00m to 30.00m	1	15.00	(3.80 + 3.80) / 2	0.20	11.40	
	Ch:30.00m to 43.40m	1	13.40	(3.80 + 4.00) / 2	0.20	10.45	
	7th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(5.50 + 5.70) / 2	0.20	16.80	
	Ch:15.00m to 30.00m	1	15.00	(5.70 + 5.80) / 2	0.20	17.25	
	Ch:30.00m to 41.40m	1	11.40	(5.80 + 5.80) / 2	0.20	13.22	
					Present Qty	**391.89**	**Cum**

NEWZEN CONSULTANT Bangalore Consultant

30/8/20
Asst. Engineer

30/8/2020
Asst. Exec. Engineer,

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ne of Work: **Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05**

Detailed Measurements

Date of Pre-Measurement :

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
KSRRB M300-14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimmingbottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No 301						
Drain Desilt						
Kogilu Layout						
1st Cross Rd						
LHS(From Dead End)						
Ch 0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
Ch 30.00m to 60.00m	1	30.00	0.60	0.60	10.80	
Ch 60.00m to 78.00m	1	18.00	0.60	0.60	6.48	
Ch 78.00m to 83.00m (gap)	1	5.00				
Ch 83.00m to 113.00m	1	30.00	0.60	0.60	10.80	
Ch.113.00m to 143.00m	1	30.00	0.60	0.60	10.80	
Ch 143.00m to 151.50m	1	8.50	0.60	0.60	3.06	
Ch.151.50m to 155.70m	1	4.20	0.60	0.60	1.51	
Ch 155.70m to 185.70m	1	30.00	0.60	0.60	10.80	
Ch 185.70m to 215.70m	1	30.00	0.60	0.60	10.80	
Ch 215.70m to 232.80m	1	17.10	0.60	0.60	6.16	
RHS(From Main Rd)						
Ch 0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
Ch:30.00m to 60.00m	1	30.00	0.60	0.60	10.80	
Ch:60.00m to 78.90m	1	18.90	0.60	0.60	6.80	
Ch 78.90m to 81.90m	1	3.00	0.60	0.60	1.08	
Ch 81.90m to 106.40m	1	24.50	0.60	0.60	8.82	
Ch 106.40m to 110.00m	1	3.60	0.60	0.60	1.30	
Ch:110.00m to 140.00m	1	30.00	0.60	0.60	10.80	
Ch:140.00m to 170.00m	1	30.00	0.60	0.60	10.80	
Ch:170.00m to 200.00m	1	30.00	0.60	0.60	10.80	
Ch:200.00m to 230.00m	1	30.00	0.60	0.60	10.80	
Ch:230.00m to 233.60m	1	3.60	0.60	0.60	1.30	
2nd Cross Rd						
LHS(From Dead End)						
Ch:0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
Ch:30.00m to 60.00m	1	30.00	0.60	0.60	10.80	
Ch:60.00m to 90.00m	1	30.00	0.60	0.60	10.80	
Ch 90.00m to 120.00m	1	30.00	0.60	0.60	10.80	
Ch 120.00m to 150.00m	1	30.00	0.60	0.60	10.80	

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Consultant

10/9/20
Assistant Engineer

Asst. Executive Engineer

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Description of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:150.00m to 165.00m	1	15.00	0.60	0.60	5.40	
Ch:165.00m to 193.00m	1	28.00	0.60	0.60	10.08	
Ch:193.00m to 223.00m	1	30.00	0.60	0.60	10.80	
Ch:223.00m to 228.40m	1	5.40	0.60	0.60	1.94	
RHS(From Main Rd)						
Ch:0.00m to 12.40m	1	12.40	0.60	0.60	4.46	
Ch:12.40m to 21.30m	1	8.90	0.60	0.60	3.20	
Ch:21.30m to 46.40m	1	25.10	0.60	0.60	9.04	
Ch:46.40m to 49.40m	1	3.00	0.60	0.60	1.08	
Ch:49.40m to 79.40m	1	30.00	0.60	0.60	10.80	
Ch:79.40m to 109.40m	1	30.00	0.60	0.60	10.80	
Ch:109.40m to 139.40m	1	30.00	0.60	0.60	10.80	
Ch:139.40m to 146.40m	1	7.00	0.60	0.60	2.52	
Ch:146.40m to 151.20m	1	4.80	0.60	0.60	1.73	
Ch:151.20m to 181.20m	1	30.00	0.60	0.60	10.80	
Ch:181.20m to 211.20m	1	30.00	0.60	0.60	10.80	
Ch:211.20m to 225.20m	1	14.00	0.60	0.60	5.04	
3rd Cross Rd						
LHS(From Main Rd)						
Ch:0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
Ch:30.00m to 50.50m	1	20.50	0.60	0.60	7.38	
Ch:50.50m to 57.70m	1	7.20	0.60	0.60	2.59	
Ch:57.70m to 60.10m	1	2.40	0.60	0.60	0.86	
Ch:60.10m to 90.10m	1	30.00	0.60	0.60	10.80	
Ch:90.10m to 120.10m	1	30.00	0.60	0.60	10.80	
Ch:120.10m to 122.70m	1	2.60	0.60	0.60	0.94	
Ch:122.70m to 134.70m	1	12.00	0.60	0.60	4.32	
Ch:134.70m to 164.70m	1	30.00	0.60	0.60	10.80	
Ch:164.70m to 194.70m	1	30.00	0.60	0.60	10.80	
Ch:194.70m to 224.70m	1	30.00	0.60	0.60	10.80	
RHS(From Main Rd)						
Ch:0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
Ch:30.00m to 52.60m	1	22.60	0.60	0.60	8.14	
Ch:52.60m to 58.80m	1	6.20	0.60	0.60	2.23	
Ch:58.80m to 88.80m	1	30.00	0.60	0.60	10.80	
Ch:88.80m to 118.80m	1	30.00	0.60	0.60	10.80	
Ch:118.80m to 148.80m	1	30.00	0.60	0.60	10.80	
Ch:148.80m to 178.80m	1	30.00	0.60	0.60	10.80	
Ch:178.80m to 208.80m	1	30.00	0.60	0.60	10.80	
Ch:208.80m to 225.20m	1	16.40	0.60	0.60	5.90	
RCC Drain						
Kogilu Layout						
Ittige Factory						

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28/9/20
Assistant Engineer

Asst. Executive Engineer

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit
LHS						
Ch:0.00m to 24.00m	1	24.00	1.10	1.00	26.40	
Culvert Gap						
Ch:24.00m to 34.40m	1	10.40	1.10	1.00	11.44	
Culvert Gap						
Ch:34.40m to 64.40m	1	30.00	1.10	1.00	33.00	
Ch.64.40m to 69.20m	1	4.80	1.10	1.00	5.28	
Culvert Gap						
Ch.69.20m to 87.30m	1	18.10	1.10	1.00	19.91	
Culvert Gap						
Ch.87.30m to 117.30m	1	30.00	1.10	1.00	33.00	
Ch.117.30m to 124.50m	1	7.20	1.10	1.00	7.92	
RHS(From Culvert)						
Ch:0.00m to 26.30m	1	26.30	1.10	1.00	28.93	
Culvert Gap						
Ch:26.30m to 44.60m	1	18.30	1.10	1.00	20.13	
Culvert Gap						
Ch:44.60m to 57.10m	1	12.50	1.10	1.00	13.75	
Kogilu Layout						
6th Cross Rd(Right Side)						
RHS(From Main Rd)						
Ch:0.00m to 30.00m	1	30.00	1.10	1.00	33.00	
Ch:30.00m to 42.80m	1	12.80	1.10	1.00	14.08	
RCC Culvert						
Kogilu Layout						
Ittige Factory						
LHS	1	5.60	1.80	1.10	11.09	
LHS	1	6.50	1.50	1.10	10.73	
LHS	1	8.00	1.50	1.10	13.20	
LHS	1	5.00	1.50	1.10	8.25	
RHS	1	5.70	1.50	1.10	9.41	
RHS	1	4.50	1.50	1.10	7.43	
RHS	1	4.70	1.50	1.10	7.76	
RHS	1	4.60	1.50	1.10	7.59	
Tirumenahalli Colony						
2nd Street Entrance	1	4.30	1.50	1.10	7.10	
2nd Street RHS	1	4.30	1.50	1.10	7.10	
2nd Street Middle	1	6.20	1.80	1.10	12.28	
2nd Street End	1	5.00	1.50	1.10	8.25	
Kogilu Colony						
Thirumenhalli Connecting Rd	1	8.00	1.60	1.10	14.08	
				Present Qty	**862.44**	**Cum**

NEWZEN CONSULTANT Bangalore Consultant

Assistant Engineer

Asst. Executive Engineer

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements						
Date of Ms Measurement						
Description of Item	No	Length	Breadth	Depth	Qty	Unit
KSSR 5.2 Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc. either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m including breaking of clods complete as per specifications.						
For UGD Pipeline Earthwork						
Kogilu Layout						
9th cross Road						
MH8-MH1	1	23.00	1.20	1.60	44.16	
MH1-MH2	1	23.50	1.20	1.60	45.12	
MH2-MH3	1	22.50	1.20	1.60	43.20	
MH3-MH4	1	17.00	1.20	1.60	32.64	
MH4A-MH1	1	27.50	1.20	1.60	52.80	
MH5-MH2	1	28.50	1.20	1.60	54.72	
MH6-MH3	1	24.50	1.20	1.60	47.04	
Bande Road						
MH0-MH1	1	24.40	1.20	1.60	46.85	
MH1-MH2	1	30.00	1.20	1.65	59.40	
MH2-MH3	1	15.30	1.20	1.65	30.29	
	1	13.40	1.20	1.70	27.34	
Masjid Main Road						
MH0-MH1	1	16.20	1.20	1.65	32.08	
5th cross						
MH0(Bande Rd)-MH1	1	24.00	1.20	1.55	44.64	
MH1-MH2	1	22.20	1.20	1.55	41.29	
MH2-MH3	1	24.90	1.20	1.60	47.81	
MH0-0	1	20.30	1.20	1.60	38.98	
				Present Qty	**688.35**	**Cum**

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst. Executive Engineer,

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Name of Work: Improvement to Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 02

Detailed Measurements

Date of Pre Measurement						
Description of Item	No	Length	Breadth	Depth	Qty	Unit
A/SOR/M2/08/16 Providing and laying Plain cement concrete of mix 1:3:6 with OPC 53 Grade with crushed granite metal coarse aggregates @ 80% and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications						
RCC Drain						
Kogilu Layout						
Ittige Factory						
LHS						
Ch 0.00m to 54.00m	1	54.00	1.10	0.15	3.96	
Culvert Gap						
Ch 54.00m to 64.40m	1	10.40	1.10	0.15	1.72	
Culvert Gap						
Ch 64.40m to 69.20m	1	30.00	1.10	0.15	4.95	
Ch 69.20m to 87.30m	1	4.80	1.10	0.15	0.79	
Culvert Gap						
Ch 87.30m to 117.30m	1	18.10	1.10	0.15	2.99	
Culvert Gap						
Ch 117.30m to 124.50m	1	30.00	1.10	0.15	4.95	
RHS(From Culvert)	1	7.20	1.10	0.15	1.19	
Ch 0.00m to 26.30m	1	26.30	1.10	0.15	4.34	
Culvert Gap						
Ch 26.30m to 44.60m	1	18.30	1.10	0.15	3.02	
Culvert Gap						
Ch 44.60m to 57.10m	1	12.50	1.10	0.15	2.06	
Kogilu Layout						
6th Cross Rd(Right Side)						
RHS(From Main Rd)						
Ch.0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
Ch 30.00m to 42.80m	1	12.80	1.10	0.15	2.11	
RCC Culvert						
Kogilu Layout						
Ittige Factory						
LHS	1	5.60	1.80	0.15	1.51	
LHS	1	6.50	1.50	0.15	1.46	
RHS	1	8.00	1.50	0.15	1.80	

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Consultant

Assistant Engineer

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit
LHS	1	5.00	1.50	0.15	1.13	
RHS	1	5.70	1.50	0.15	1.28	
RHS	1	4.50	1.50	0.15	1.01	
RHS	1	4.70	1.50	0.15	1.06	
RHS	1	4.60	1.50	0.15	1.04	
Tirumenahalli Colony						
2nd Street Entrance	1	4.30	1.50	0.15	0.97	
2nd Street RHS	1	4.30	1.50	0.15	0.97	
2nd Street Middle	1	6.20	1.80	0.15	1.67	
2nd Street End	1	5.00	1.50	0.15	1.13	
Kogilu Colony						
Thirumenhalli Connecting Rd	1	8.00	1.60	0.15	1.92	
				Present Qty	**53.97**	**Cum**

25/12/20

Assistant Engineer

Asst. Executive Engineer

NEWZEN CONSULTANT Consultant Bangalore

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Type of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Date of the Measurement 01/12/21 - 27/12/21

Description of Item	No	Length	Breadth	Depth	Qty	Unit
Providing and laying plain reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.65 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness						
Raft						
Kogilu Layout						
Ittige Factory						
LHS						
Ch 0.00m to 24.00m	1	24.00	0.90	0.15	3.24	
Culvert Gap						
Ch 24.00m to 34.40m	1	10.40	0.90	0.15	1.40	
Culvert Gap						
Ch 34.40m to 64.40m	1	30.00	0.90	0.15	4.05	
Ch 64.40m to 69.20m	1	4.80	0.90	0.15	0.65	
Culvert Gap						
Ch 69.20m to 87.30m	1	18.10	0.90	0.15	2.44	
Culvert Gap						
Ch 87.30m to 117.30m	1	30.00	0.90	0.15	4.05	
Ch 117.30m to 124.50m	1	7.20	0.90	0.15	0.97	
RHS(From Culvert)						
Ch.0.00m to 26.30m	1	26.30	0.90	0.15	3.55	
Culvert Gap						
Ch 26.30m to 44.60m	1	18.30	0.90	0.15	2.47	
Culvert Gap						
Ch 44.60m to 57.10m	1	12.50	0.90	0.15	1.69	
Kogilu Layout						
6th Cross Rd(Right Side)						
RHS(From Main Rd)						
Ch.0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
Ch 30.00m to 42.80m	1	12.80	0.90	0.15	1.73	
Drain Wall						
Kogilu Layout						
Ittige Factory						
LHS						
Ch.0.00m to 24.00m	2	24.00	0.15	0.60	4.32	

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Assistant Engineer

Asst. Executive Engineer

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Description of Item	No	Length	Breadth	Height	Qty	Unit
ch 26.30m to 37.30m	2	11.00	0.15	0.60	1.98	
ch 37.300 to 44.60m	1	7.30	0.15	0.60	0.66	
ch 44.600 to 57.10m	2	12.50	0.15	0.60	2.25	
Kogilu Layout						
6th Cross Rd(Right Side)						
RHS(From Main Rd)						
ch 0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
ch 30.000 to 42.80m	2	12.80	0.15	0.60	2.30	
				Present Qty	**70.69**	**Cum**

NEWZEN CONSULTANTS Consultant Bangalore

Assistant Engineer

Asst. Executive Engineer,

Scanned by TapScanner

Ward No. 86

Detailed Measurements

Description of Item	No	Length	Breadth	Depth	Qty	Unit
Providing and laying in position plain/Reinforced cement concrete M20 for sub-structure/superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.80 cum and fine aggregate @ 0.40 cum machine mixed with super plasticizer @ 1% conforming to IS 9103:2008,concrete laid in layers, well compacted and curing same before wherever necessary with necessary scaffolding, form work etc., including cost of labour, all tool cutting etc., complete						
Cement Wall						
Anganwadi Layout						
Hinge Factory)						
110	1	1.60	1.40	0.20	1.68	
110	1	4.50	1.20	0.20	1.56	
110	1	4.80	1.20	0.20	1.92	
110	1	4.00	1.20	0.20	1.20	
110	1	4.00	1.20	0.20	1.37	
110	1	4.70	1.20	0.20	1.08	
110	1	4.50	1.20	0.20	1.13	
110	1	4.70	1.20	0.20	1.10	
110	1	4.60	1.20	0.20		
Laxmanshahi Colony						
2nd Street Eastern	1	4.30	1.20	0.20	1.03	
2nd Street RHS	1	4.30	1.20	0.20	1.03	
2nd Street Middle	1	4.70	1.60	0.20	1.86	
2nd Street End	1	5.00	1.20	0.20	1.20	
Anganwadi Colony						
Laxmanshahi Connecting Rd	1	8.00	1.50	0.20	2.40	
Cement Wall						
Anganwadi Layout						
Hinge Factory)						
110	2	1.60	0.23	0.60	1.55	
110	2	4.50	0.23	0.60	1.79	
110	2	8.00	0.23	0.60	2.21	
110	2	5.00	0.23	0.60	1.38	
110	2	5.70	0.23	0.60	1.57	
110	2	4.50	0.23	0.60	1.24	
110	2	4.70	0.23	0.60	1.30	
110	2	4.60	0.23	0.60	1.27	
Laxmanshahi Colony						
2nd Street Eastern	2	4.30	0.23	0.60	1.19	
2nd Street RHS	2	4.30	0.23	0.60	1.19	

Assistant Engineer

Asst. Executive Engineer,

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Description of Item	No	Length	Breadth	Depth	Qty	Unit
2nd Street Middle	2	6.20	0.23	0.60	1.71	
2nd Street End	2	5.00	0.23	0.60	1.38	
Kogilu Colony						
Thanisandra Connecting Rd	2	8.00	0.23	0.60	2.21	
				Present Qty	**38.55**	**Cum**

Assistant Engineer

Asst. Executive Engineer,

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Sl No	Date of Pre-Measurement / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	KSRB 4-6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.1 (P.No 16, I.No.4.28 of PW,P&JWTD SR 2018-19)						
	Kogilu Layout						
	Ittige Factory						
	Culvert Raft						
	LHS	2	5.60		0.20	2.24	
	LHS	2	6.50		0.20	2.60	
	LHS	2	8.00		0.20	3.20	
	LHS	2	5.00		0.20	2.00	
	RHS	2	5.70		0.20	2.28	
	RHS	2	4.50		0.20	1.80	
	RHS	2	4.70		0.20	1.88	
	RHS	2	4.60		0.20	1.84	
	Tirumenahalli Colony						
	2nd Street Entrance	2	4.30		0.20	1.72	
	2nd Street RHS	2	4.30		0.20	1.72	
	2nd Street Middle	2	6.20		0.20	2.48	
	2nd Street End	2	5.00		0.20	2.00	
	Kogilu Colony						
	Thirumenhalli Connecting Rd	2	8.00		0.20	3.20	
					Present Qty	**28.96**	**Sqm**

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Assistant Engineer

Asst. Executive Engineer,

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Date of Pre-Measurement

Description of Item	No	Length	Breadth	Depth	Qty	Unit
KSR 4-6 4. Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No KBS 4 6.2 (P No 16, I No.4.31 of PW,P&IWTD SR 2018-19)						
Kogilu Layout						
Ittige Factory						
Culvert Raft						
LHS	4	5.60		0.60	13.44	
LHS	4	6.50		0.60	15.60	
LHS	4	8.00		0.60	19.20	
LHS	4	5.00		0.60	12.00	
RHS	4	5.70		0.60	13.68	
RHS	4	4.50		0.60	10.80	
RHS	4	4.70		0.60	11.28	
RHS	4	4.60		0.60	11.04	
Tirumenahalli Colony						
2nd Street Entrance	4	4.30		0.60	10.32	
2nd Street RHS	4	4.30		0.60	10.32	
2nd Street Middle	4	6.20		0.60	14.88	
2nd Street End	4	5.00		0.60	12.00	
Kogilu Colony						
Thirumenhalli Connecting Rd	4	8.00		0.60	19.20	
				Present Qty	**173.76**	**Sqm**

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Assistant Engineer 1/3/24

Asst. Executive Engineer, 1/3/2024

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e of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Date of Pre-Measurement Description of Item	No	Length	Breadth	Depth	Qty	Unit
KSRB 4.9.2 : Providing T M T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications						
Kogilu Layout						
Ittige Factory						
LHS						
Total Drain length=124.5m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1245.00Nos	1245	2.10		0.61	1594.85	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0.61kg/mtr						
	13	124.50		0.61	987.29	
RHS(From Culvert)						
Total Drain length=57.1m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=571.00Nos	571	2.10		0.61	731.45	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0.61kg/mtr	13	57.10		0.61	452.80	
6th Cross Rd(Right Side)						
RHS(From Main Rd)						
Total Drain length=42.80m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=428.00Nos	428	2.10		0.61	548.27	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0.61kg/mtr	13	42.80		0.61	339.40	
Culvert						
Total Culvert length=72.40m						
Main bar 12mm dia bar @ 180mm						
0.89kg/mtr. Double mat						
No of U-bar=965.00Nos	965	2.40		0.89	2064.68	
Distribution bar						

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Distribution bar 10mm dia @ 190mm					1148.26	
0.61kg/mtr, Double mat	26	72.40		0.61	7867.00	Kgs
				Present Qty	**7.87**	**Ton**

20.5.21

20/1/2021

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20/1/21
Assistant Engineer

20/1/2021
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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Date of Pre-Measurement :

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
KSRB12-2 : Providing and laying in position plain cement concrete M7.5 using 40mm and down size graded granite metal, machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted, for internal diameter stoneware pipes including cost of materials, labour charges, HOM curing complete as per specifications Specification						
For UGD Pipeline Earthwork						
Kogilu Layout						
9th cross Road						
MH0-MH1	1	23.00			23.00	
MH1-MH2	1	23.50			23.50	
MH2-MH3	1	22.50			22.50	
MH3-MH4	1	17.00			17.00	
MHA-MH1	1	27.50			27.50	
MHB-MH2	1	28.50			28.50	
MHC-MH3	1	24.50			24.50	
Bande Road						
MH0-MH1	1	24.40			24.40	
MH1-MH2	1	30.00			30.00	
	1	15.30			15.30	
MH2-MH3	1	13.40			13.40	
Masjid Main Road						
MH0-MH1	1	16.20			16.20	
5th cross						
MH0(Bande Rd)-MH1	1	24.00			24.00	
MH1-MH2	1	22.20			22.20	
MH2-MH3	1	24.90			24.90	
MH0-0	1	20.30			20.30	
				Present Qty	**357.20**	**M**

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Ward No. 66

Description of Item	No.	Length	Breadth	Depth	Qty.	Unit
	1				13.80	
	1				11.50	
	1				11.50	
	1				17.00	
	1				17.50	
	1				8.50	
	1				24.50	
	1	24.50				
					24.80	
	1	24.80				
	1	30.00			30.00	
	1	15.30			15.30	
	1	13.40			13.40	
					16.20	
	1	16.20				
					24.00	
	1	24.00			22.20	
	1	22.20			24.90	
	1	24.90			20.30	
	1	20.30				
				Present Qty	357.20	M

Assistant Engineer

Asst. Executive Engineer

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Name of Work: **Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05**

Detailed Measurements

Date of Pre-Measurement :

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
15	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.						
	For UGD Pipeline Earthwork						
	Kogilu Layout						
	9th cross Road						
	MH0-MH1	1	23.00	1.20	1.20	33.12	
	MH1-MH2	1	23.50	1.20	1.20	33.84	
	MH2-MH3	1	22.50	1.20	1.20	32.40	
	MH3-MH4	1	17.00	1.20	1.20	24.48	
	MHA-MH1	1	27.50	1.20	1.20	39.60	
	MHB-MH2	1	28.50	1.20	1.20	41.04	
	MHC-MH3	1	24.50	1.20	1.20	35.28	
	Bande Road						
	MH0-MH1	1	24.40	1.20	1.20	35.14	
	MH1-MH2	1	30.00	1.20	1.20	43.20	
		1	15.30	1.20	1.20	22.03	
	MH2-MH3	1	13.40	1.20	1.20	19.30	
	Masjid Main Road						
	MH0-MH1	1	16.20	1.20	1.20	23.33	
	5th cross						
	MH0(Bande Rd)-MH1	1	24.00	1.20	1.20	34.56	
	MH1-MH2	1	22.20	1.20	1.20	31.97	
	MH2-MH3	1	24.90	1.20	1.20	35.86	
	MH0-0	1	20.30	1.20	1.20	29.23	
					Present Qty	**514.37**	**Cum**

CC PC 28/11/24

Contractor

NEWZEN CONSULTANT Consultant Bangalore

28/11/24

Assistant Engineer

28/11/24

Asst. Executive Engineer,

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Date -Measurement Recorded On: 25/2/21 – 2/3/21

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
20	KSRRB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5						
	Kogilu Layout						
	Masid Main Road						
	Ch:0.00m to 15.00m	1	15.00	(4.80 + 4.90)/2	0.15	10.91	
	Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2	0.15	11.70	
	Ch:30.00m to 45.00m	1	15.00	(5.50 + 6.00)/2	0.15	12.94	
	Ch:45.00m to 60.00m	1	15.00	(6.00 + 5.40)/2	0.15	12.83	
	Ch:60.00m to 63.20m	1	3.20	(5.40 + 5.40)/2	0.15	2.59	
	Opp to Masid Main Road(Left Side)						
	Ch:0.00m to 15.00m	1	15.00	(4.50 + 4.90)/2	0.15	10.58	
	Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2	0.15	11.70	
	Ch:30.00m to 45.00m	1	15.00	(5.50 + 5.40)/2	0.15	12.26	
	Ch:45.00m to 60.00m	1	15.00	(5.40 + 5.40)/2	0.15	12.15	
	Ch:60.00m to 75.00m	1	15.00	(5.40 + 5.10)/2	0.15	11.81	
	Ch:75.00m to 83.80m	1	8.80	(5.10 + 5.10)/2	0.15	6.73	
	5th Cross Rd(Left Side)						
	Ch:0.00m to 15.00m	1	15.00	(6.90 + 6.80)/2	0.15	15.41	
	Ch:15.00m to 30.00m	1	15.00	(6.80 + 6.60)/2	0.15	15.08	

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Asst. Engineer 27/2/21

Asst. Exec. Engineer, 28/2/2021

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